

Calculus Chapter 5

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Area Between Curves



Video

Section 5.1 in Stewart's Calculus.

Preclass Learning Objectives:

- Total area between functions f and g is calculated by integrating the absolute value of the difference of f and g .

[Classroom Slides PDF](#)

Volume

Section 5.2/5.3 in Stewart's Calculus.

Preclass Learning Objectives:

- Formula for calculating volume using cylindrical shells.
- Differences between the washer and shell methods.



Video

[Classroom Slides PDF](#)

The Average Value of a Function



Video

Section 5.5 in Stewart's Calculus.

Preclass Learning Objectives:

- Average Value Formula.

[Classroom Slides PDF](#)

From:

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